

Case No. : GTS20221202017-1-9	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.12.26	Test Engineer: Jenny zeng

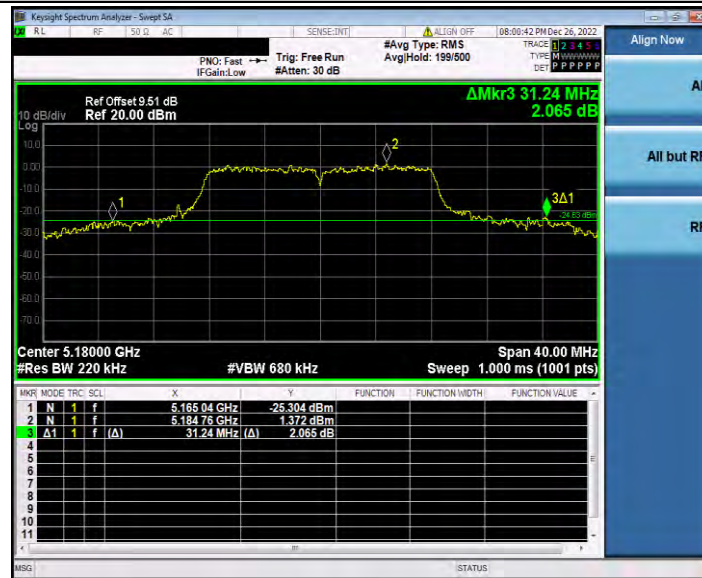
Appendix B.1: Emission Bandwidth

Test Result

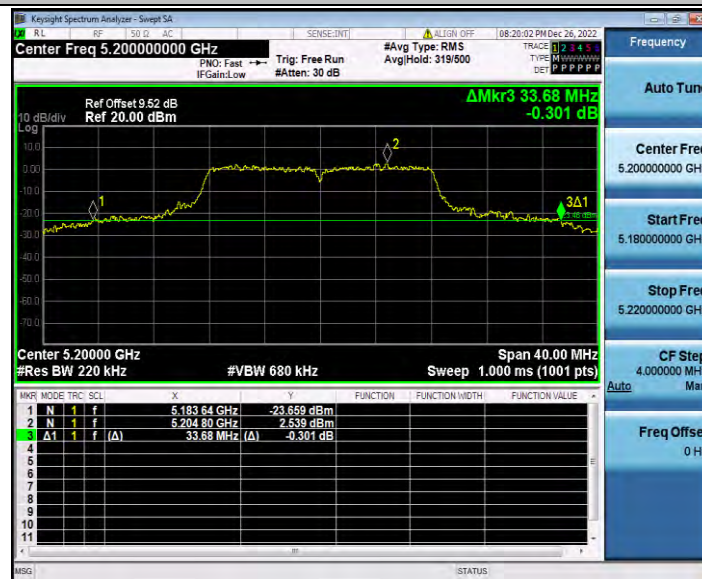
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	31.240	5165.040	5196.280	---	---
		5200	33.680	5183.640	5217.320	---	---
		5240	34.640	5223.320	5257.960	---	---
11N20SISO	Ant1	5180	27.640	5168.600	5196.240	---	---
		5200	37.320	5182.400	5219.720	---	---
		5240	39.000	5220.800	5259.800	---	---
11N40SISO	Ant1	5190	79.680	5150.320	5230.000	---	---
		5230	77.680	5190.640	5268.320	---	---
11AC20SISO	Ant1	5180	36.080	5162.160	5198.240	---	---
		5200	36.000	5182.480	5218.480	---	---
		5240	36.760	5223.120	5259.880	---	---
11AC40SISO	Ant1	5190	72.800	5156.320	5229.120	---	---
		5230	42.880	5208.640	5251.520	---	---
11AC80SISO	Ant1	5210	85.120	5168.880	5254.000	---	---

Test Graphs

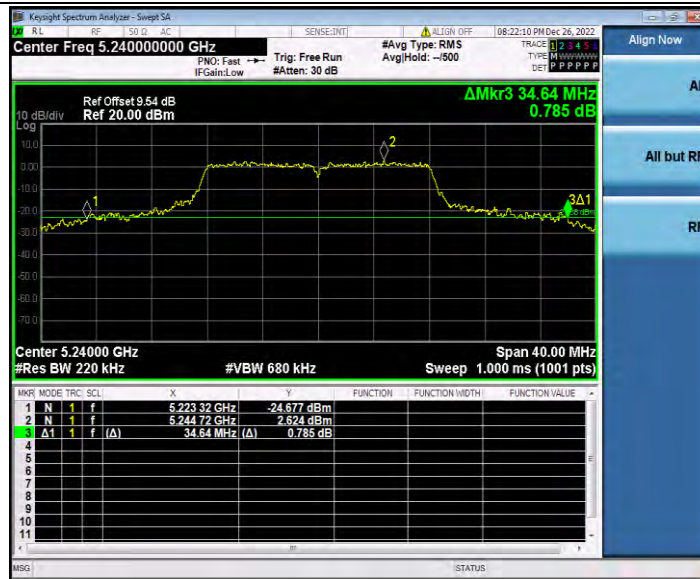
11A_Ant1_5180



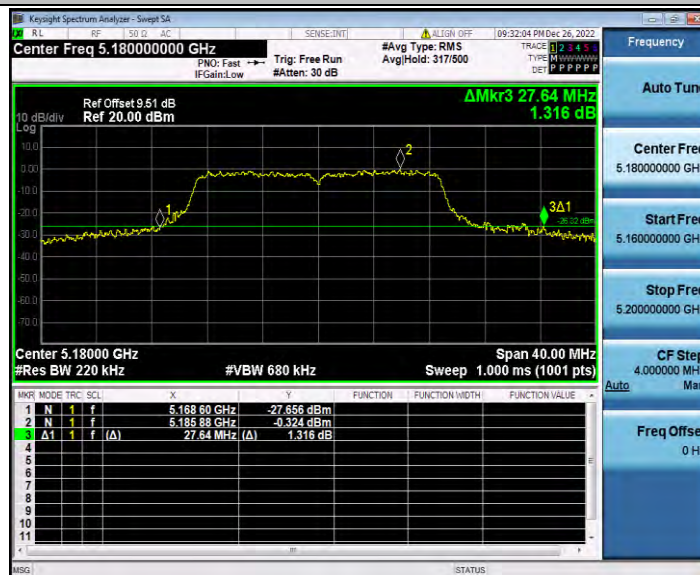
11A_Ant1_5200



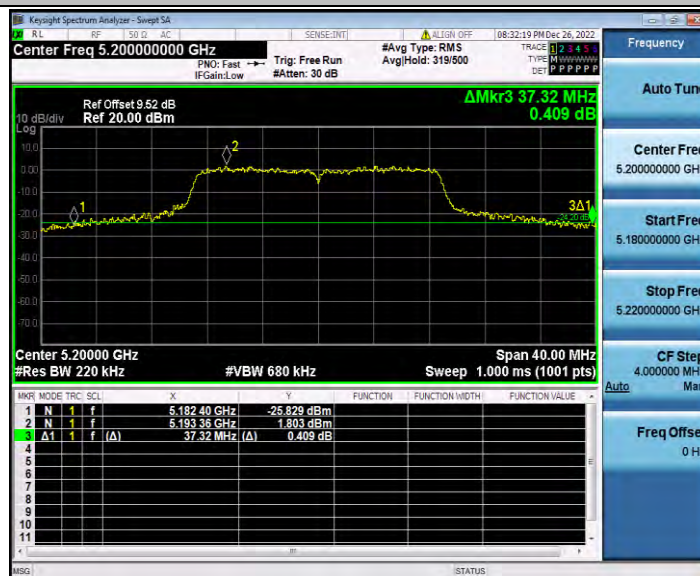
11A_Ant1_5240



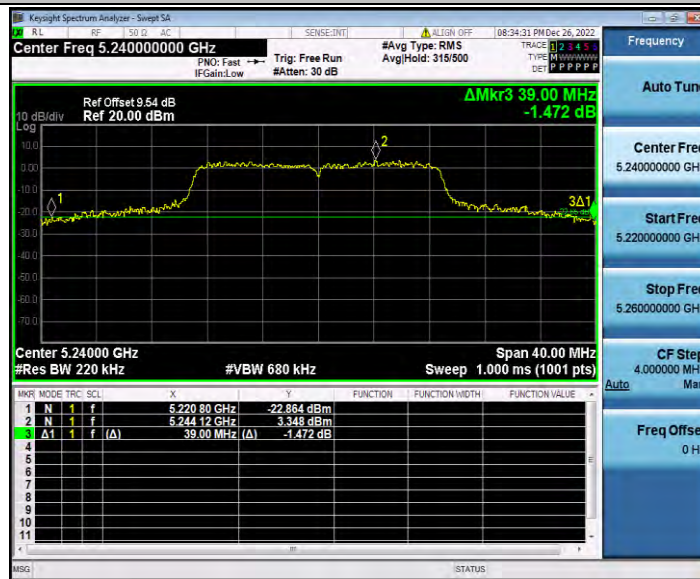
11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



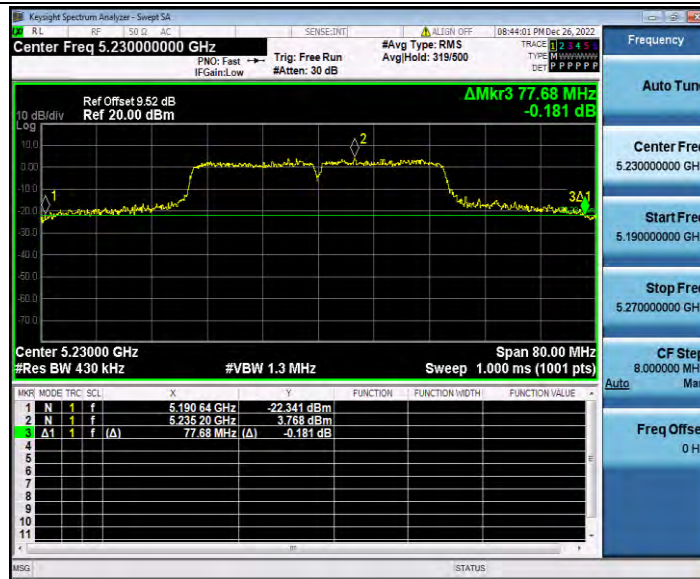
11N20SISO_Ant1_5240



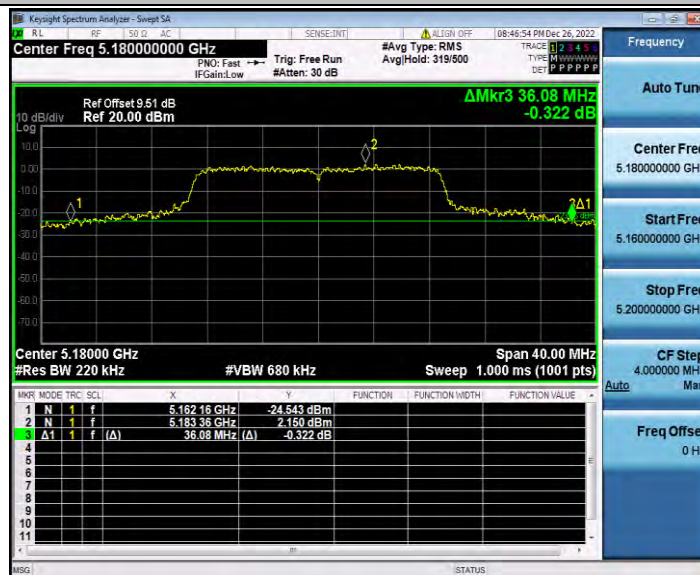
11N40SISO_Ant1_5190



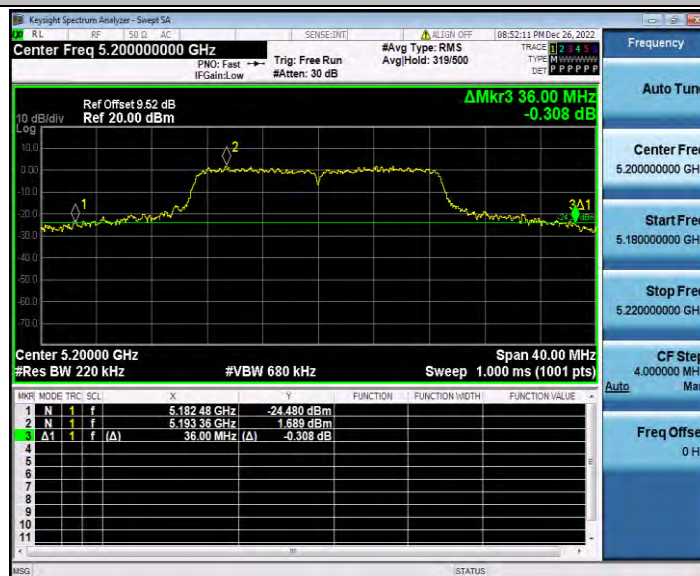
11N40SISO_Ant1_5230



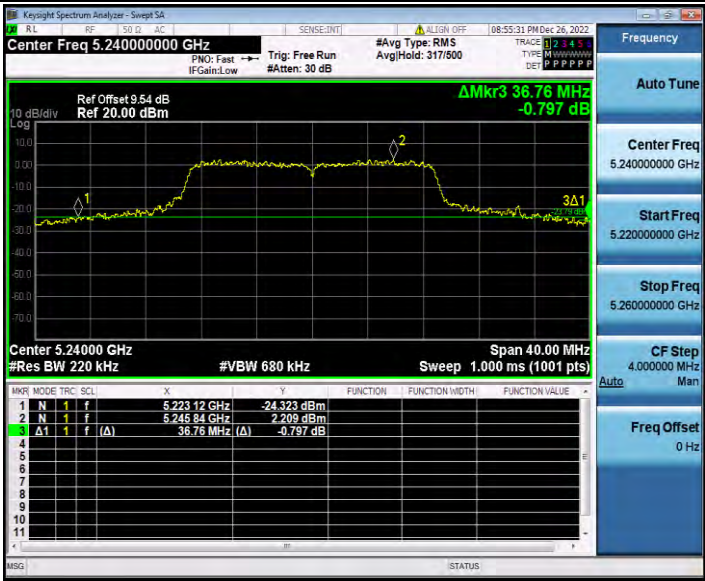
11AC20SISO_Ant1_5180



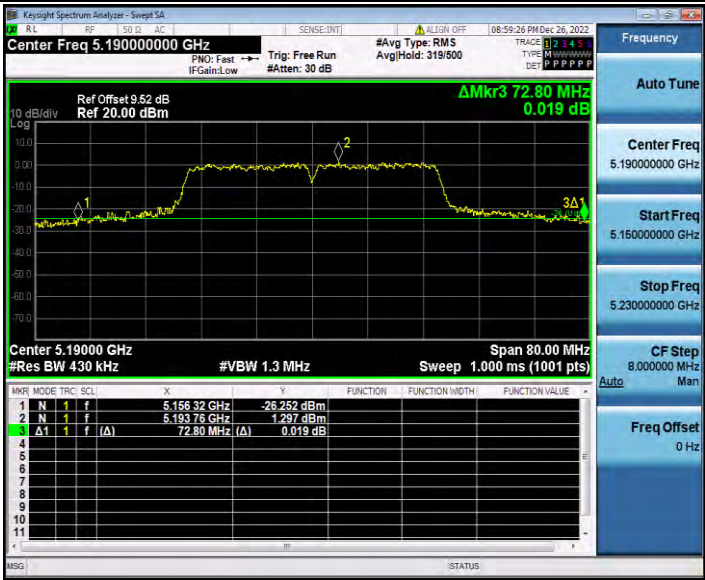
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



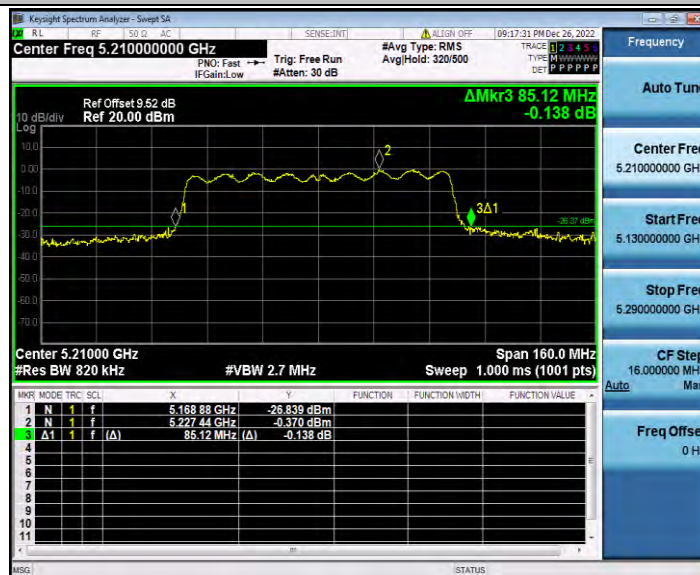
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



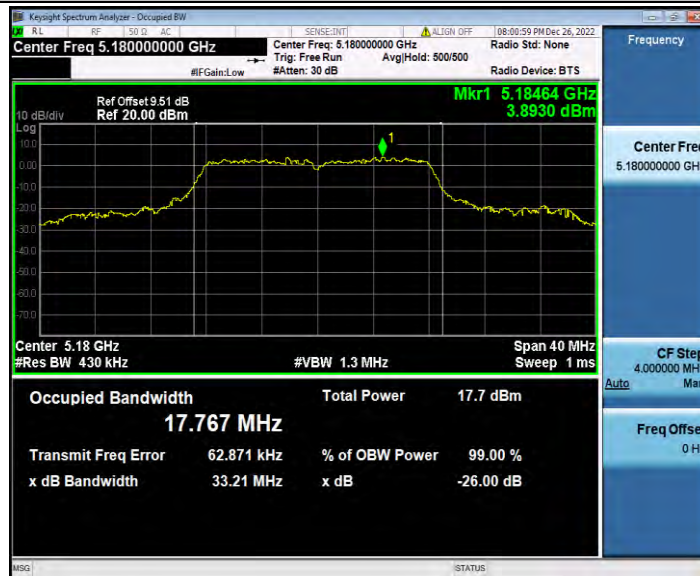
Appendix B.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.767	5171.179	5188.946	---	---
		5200	18.214	5190.989	5209.203	---	---
		5240	18.153	5230.912	5249.065	---	---
11N20SISO	Ant1	5180	21.115	5170.174	5191.289	---	---
		5200	19.137	5190.514	5209.651	---	---
		5240	20.192	5230.289	5250.481	---	---
11N40SISO	Ant1	5190	39.679	5171.040	5210.719	---	---
		5230	41.229	5210.497	5251.726	---	---
11AC20SISO	Ant1	5180	19.739	5170.511	5190.250	---	---
		5200	19.103	5190.587	5209.690	---	---
		5240	18.707	5230.668	5249.375	---	---
11AC40SISO	Ant1	5190	37.626	5171.409	5209.035	---	---
		5230	36.858	5211.687	5248.545	---	---
11AC80SISO	Ant1	5210	76.182	5172.180	5248.362	---	---

Test Graphs

11A_Ant1_5180



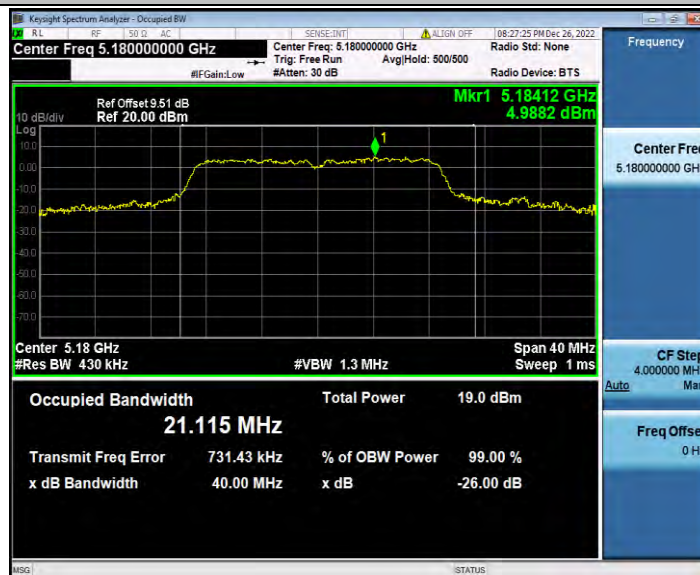
11A_Ant1_5200



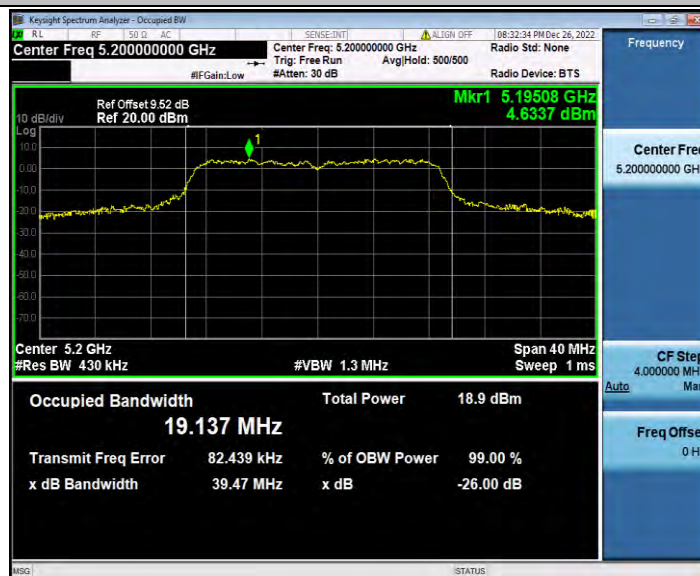
11A_Ant1_5240



11N20SISO_Ant1_5180



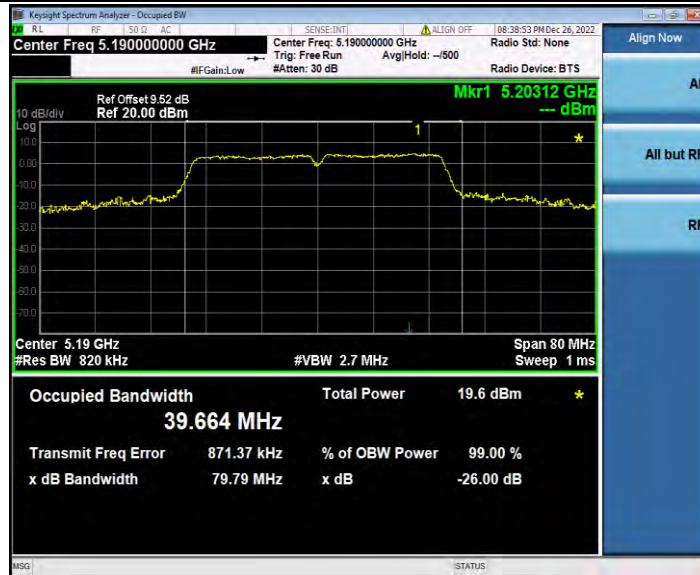
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



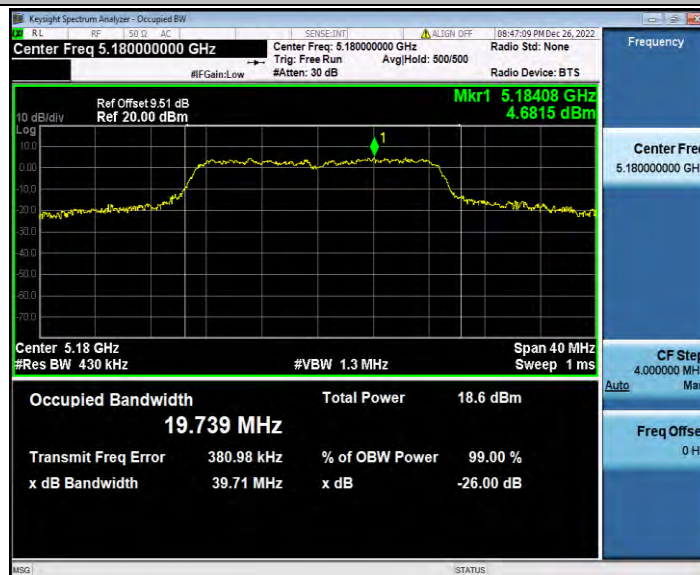
11N40SISO_Ant1_5190



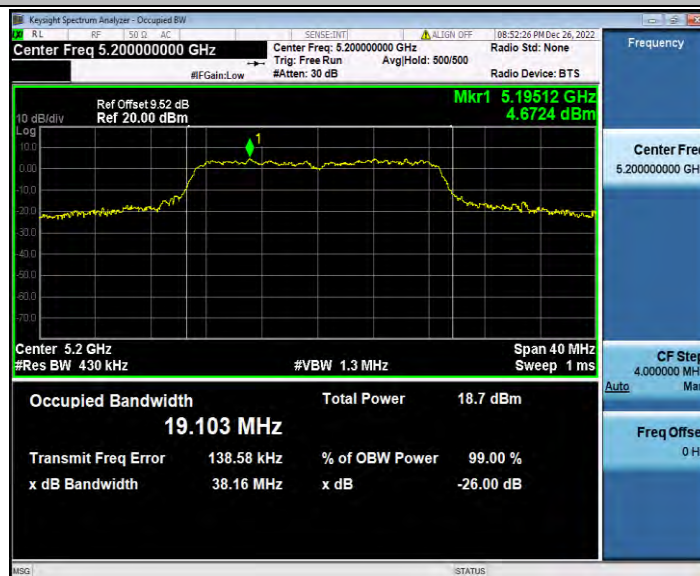
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



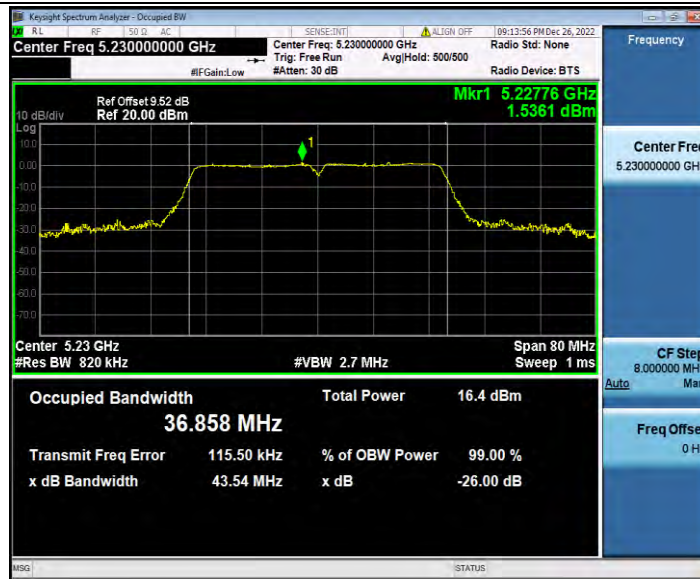
11AC20SISO_Ant1_5240



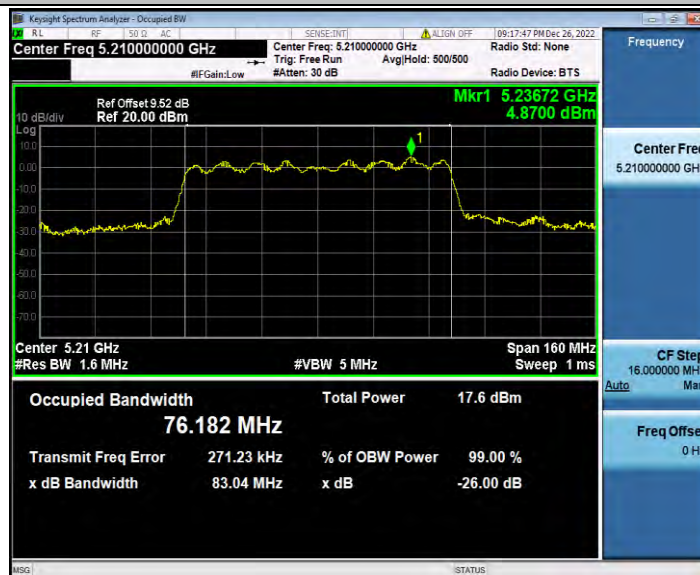
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



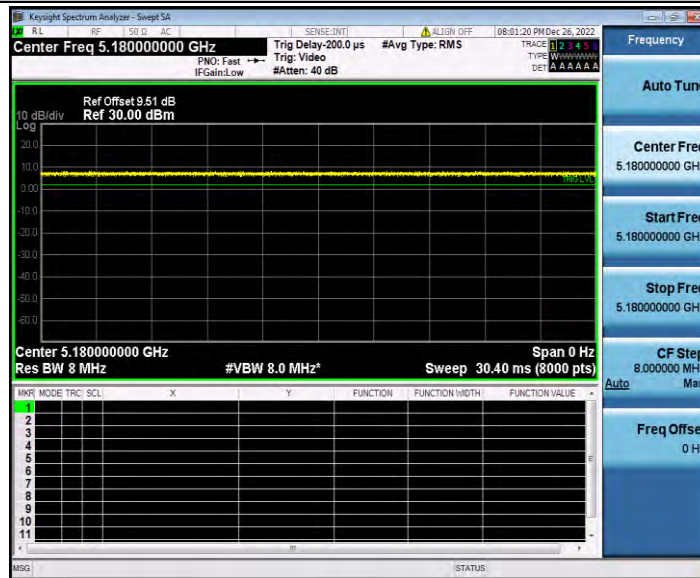
Appendix B.3: Duty Cycle

Test Result

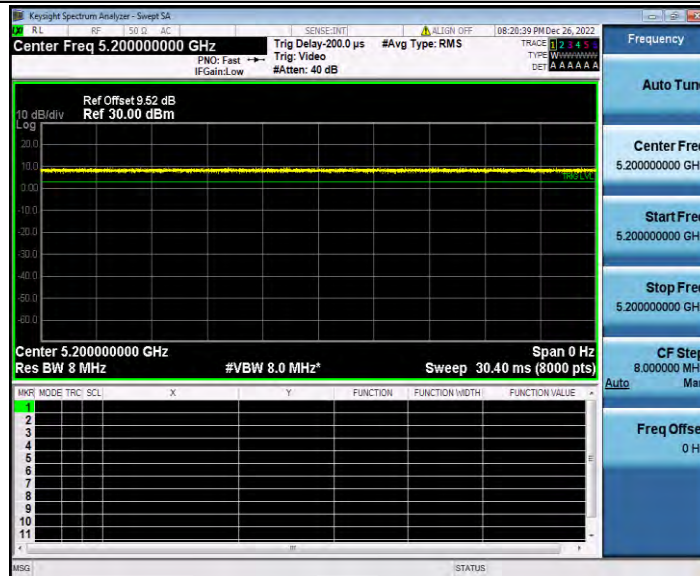
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	30.00	30.00	100.00
		5200	30.00	30.00	100.00
		5240	30.00	30.00	100.00
11N20SISO	Ant1	5180	30.00	30.00	100.00
		5200	30.00	30.00	100.00
		5240	30.00	30.00	100.00
11N40SISO	Ant1	5190	30.00	30.00	100.00
		5230	30.00	30.00	100.00
11AC20SISO	Ant1	5180	30.00	30.00	100.00
		5200	30.00	30.00	100.00
		5240	30.00	30.00	100.00
11AC40SISO	Ant1	5190	30.00	30.00	100.00
		5230	30.00	30.00	100.00
11AC80SISO	Ant1	5210	30.00	30.00	100.00

Test Graphs

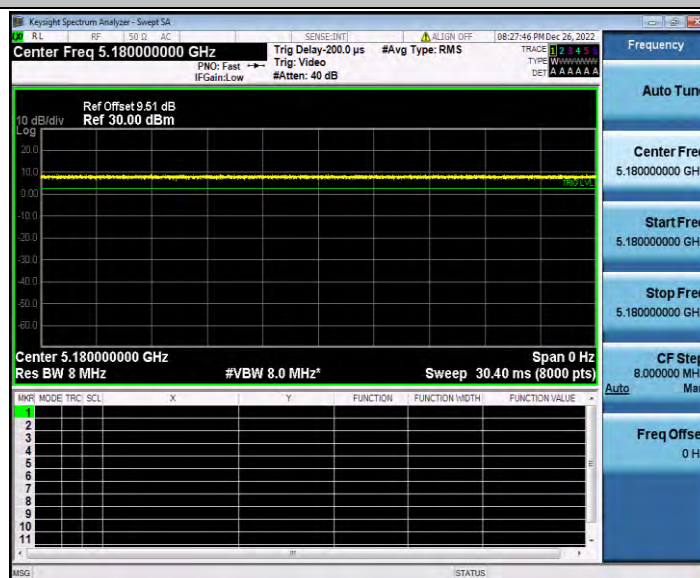
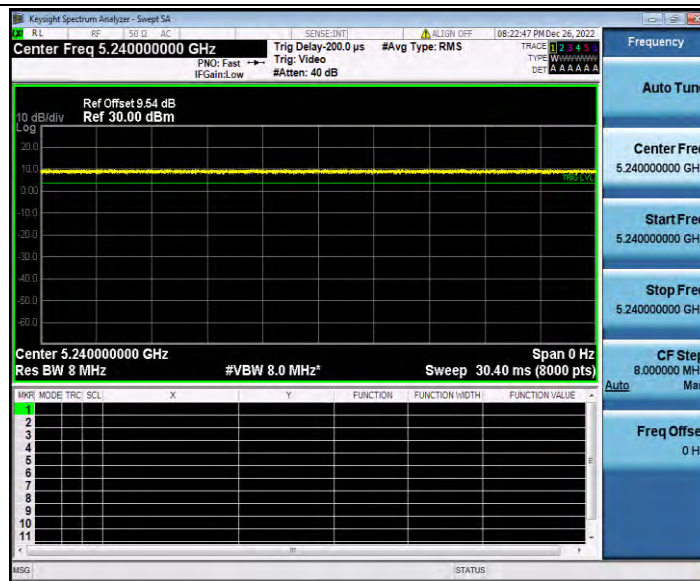
11A_Ant1_5180



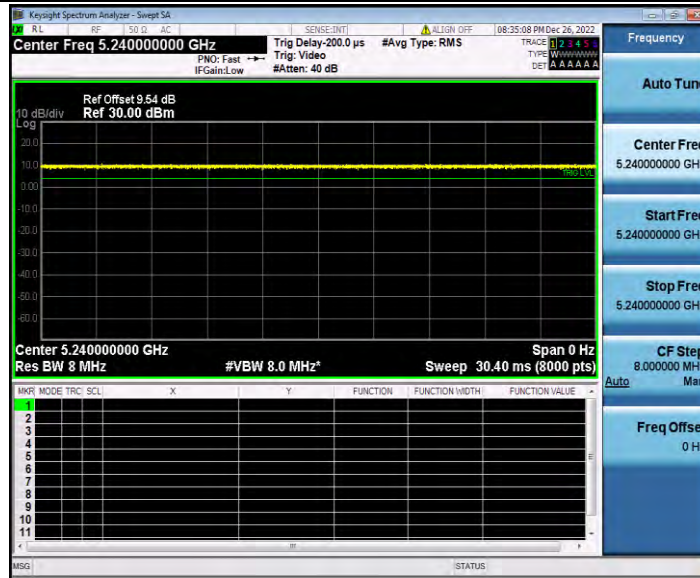
11A_Ant1_5200



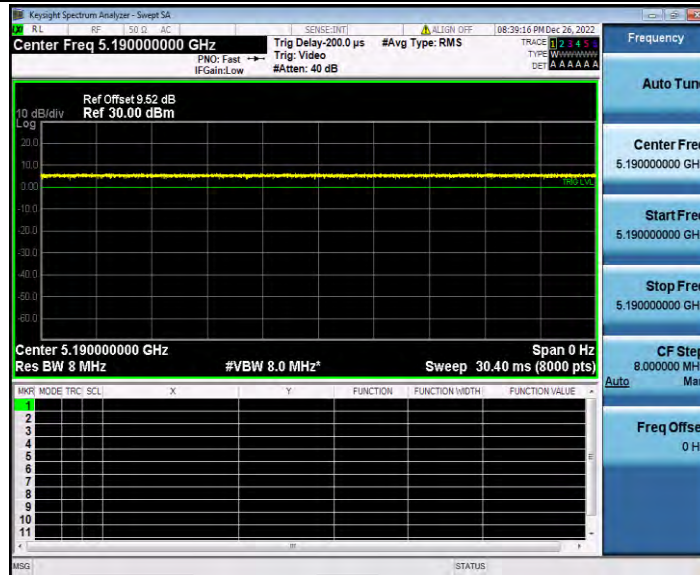
11A_Ant1_5240



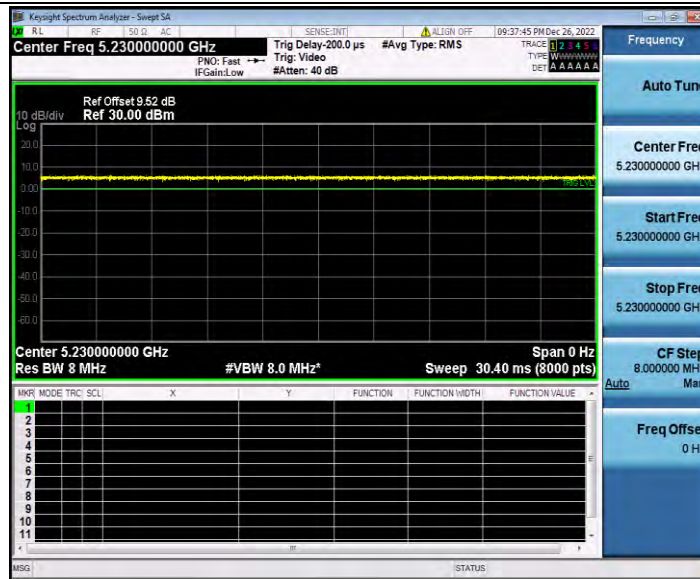
11N20SISO_Ant1_5240



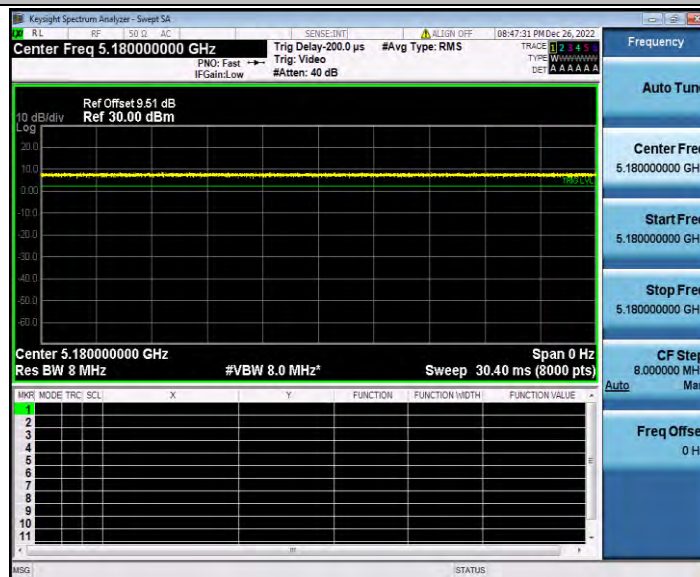
11N40SISO_Ant1_5190



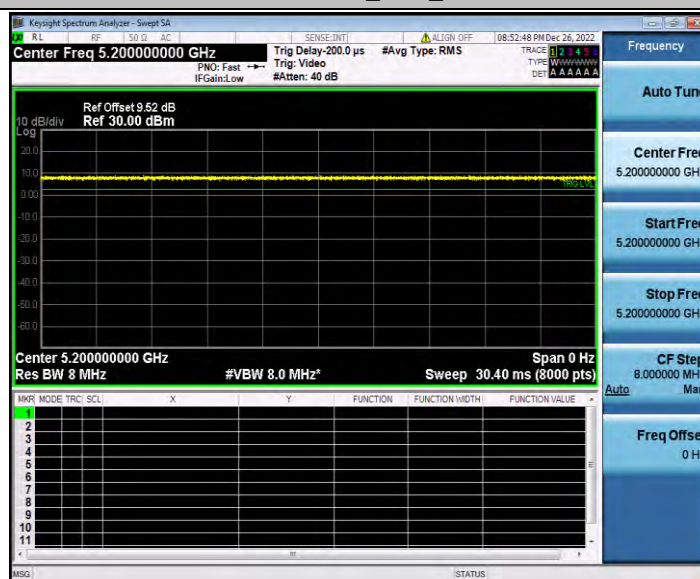
11N40SISO_Ant1_5230



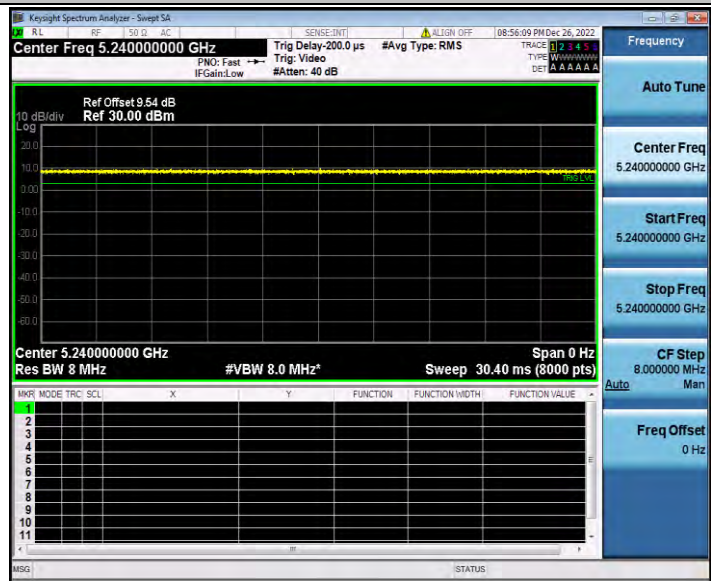
11AC20SISO_Ant1_5180



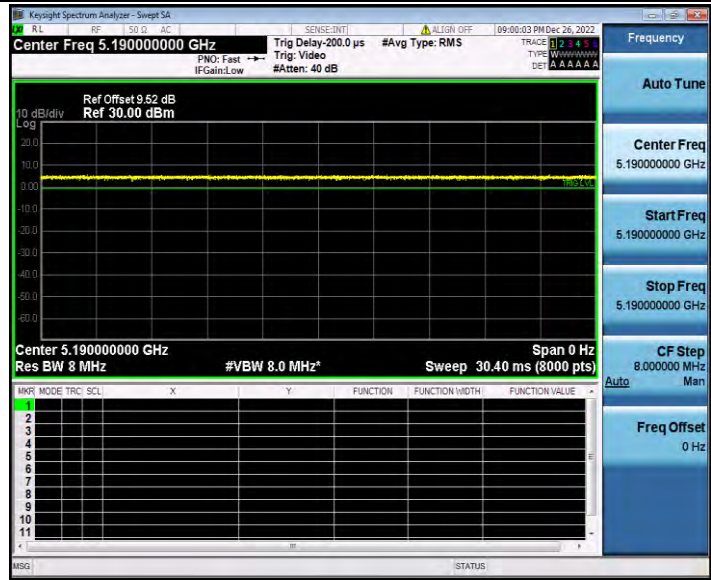
11AC20SISO_Ant1_5200



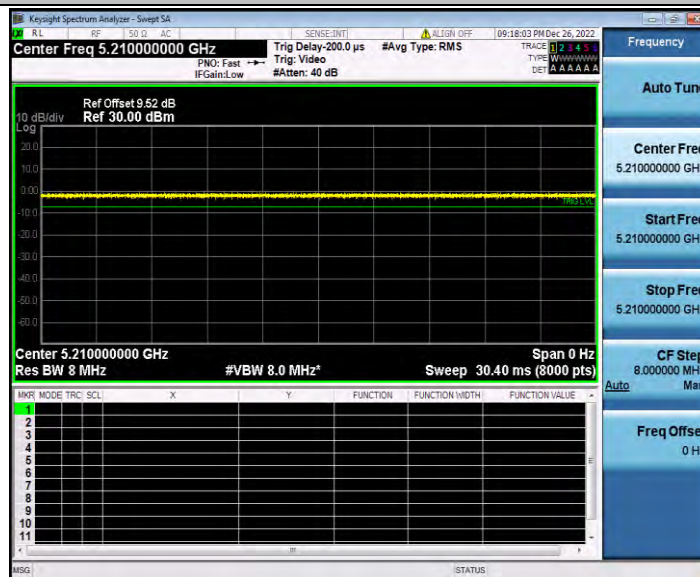
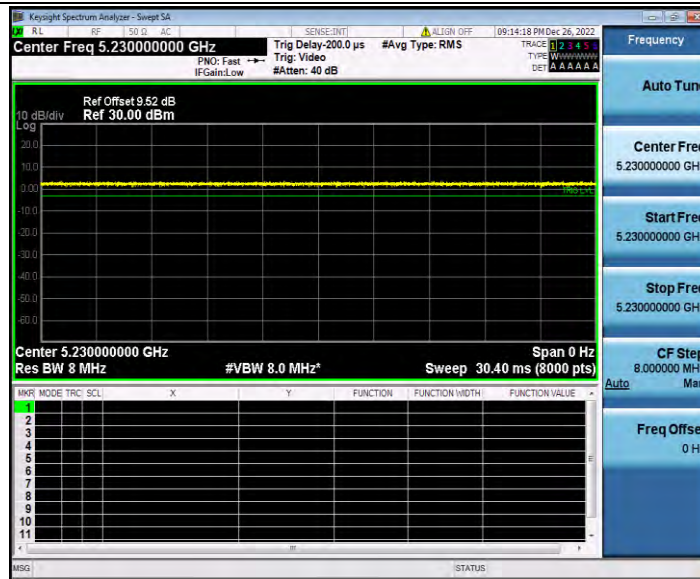
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



Appendix B.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	11.07	100.00	0.00	11.07	≤23.98	PASS
		5200	11.91	100.00	0.00	11.91	≤23.98	PASS
		5240	12.64	100.00	0.00	12.64	≤23.98	PASS
11N20SISO	Ant1	5180	11.92	100.00	0.00	11.92	≤23.98	PASS
		5200	11.99	100.00	0.00	11.99	≤23.98	PASS
		5240	13.30	100.00	0.00	13.30	≤23.98	PASS
11N40SISO	Ant1	5190	12.05	100.00	0.00	12.05	≤23.98	PASS
		5230	10.24	100.00	0.00	10.24	≤23.98	PASS
11AC20SISO	Ant1	5180	11.39	100.00	0.00	11.39	≤23.98	PASS
		5200	11.82	100.00	0.00	11.82	≤23.98	PASS
		5240	12.33	100.00	0.00	12.33	≤23.98	PASS
11AC40SISO	Ant1	5190	11.21	100.00	0.00	11.21	≤23.98	PASS
		5230	9.12	100.00	0.00	9.12	≤23.98	PASS
11AC80SISO	Ant1	5210	8.55	100.00	0.00	8.55	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix B.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.44	≤11.00	PASS
		5200	0.36	≤11.00	PASS
		5240	1.08	≤11.00	PASS
11N20SISO	Ant1	5180	0.19	≤11.00	PASS
		5200	0.2	≤11.00	PASS
		5240	1.57	≤11.00	PASS
11N40SISO	Ant1	5190	-2.37	≤11.00	PASS
		5230	2.16	≤11.00	PASS
11AC20SISO	Ant1	5180	-0.27	≤11.00	PASS
		5200	0.12	≤11.00	PASS
		5240	0.68	≤11.00	PASS
11AC40SISO	Ant1	5190	-3.18	≤11.00	PASS
		5230	-5.35	≤11.00	PASS
11AC80SISO	Ant1	5210	-7.47	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



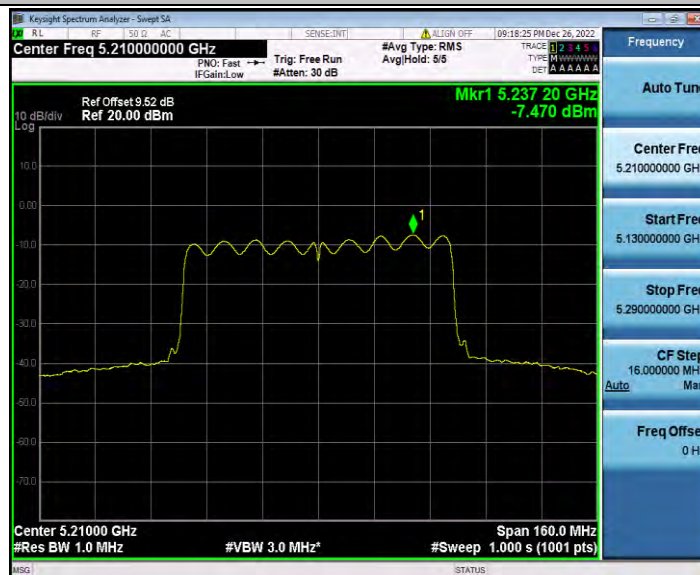
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



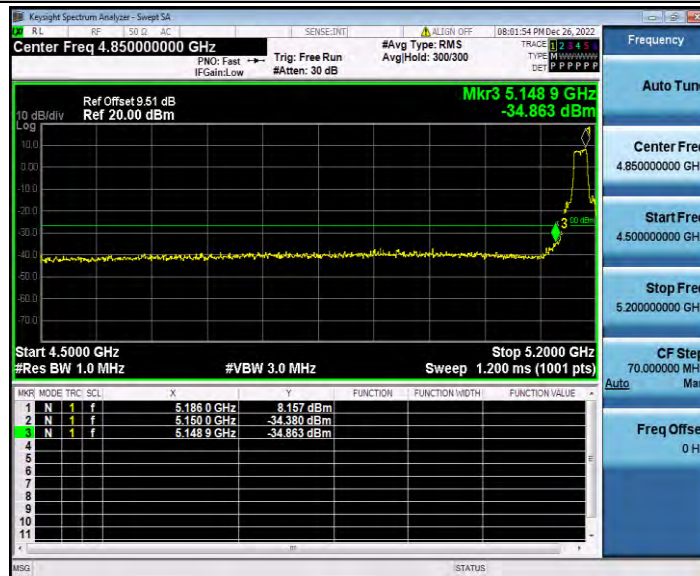
Appendix B.6: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-34.86	≤-27	PASS
		High	5240	-37.22	≤-27	PASS
11N20SISO	Ant1	Low	5180	-31.7	≤-27	PASS
		High	5240	-37.71	≤-27	PASS
11N40SISO	Ant1	Low	5190	-27.66	≤-27	PASS
		High	5230	-38.57	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-34.49	≤-27	PASS
		High	5240	-37.79	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-32.78	≤-27	PASS
		High	5230	-37.85	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-28.68	≤-27	PASS
		High	5210	-38.43	≤-27	PASS

Test Graphs B1

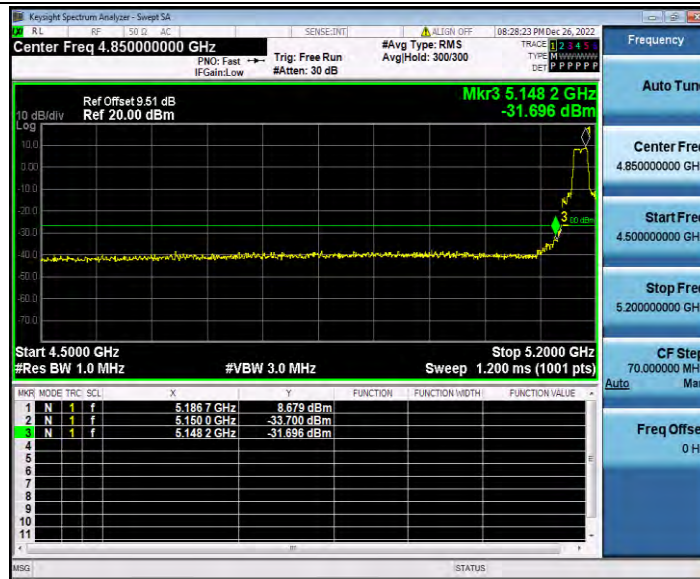
11A_Ant1_Low_5180



11A_Ant1_High_5240



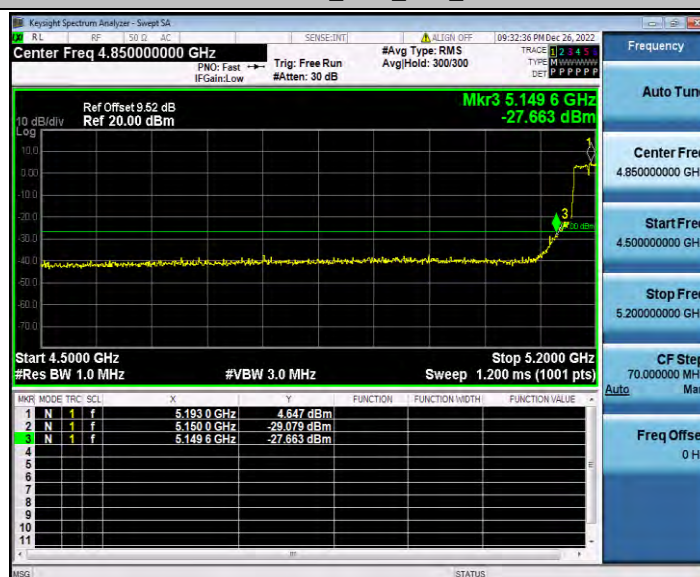
11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



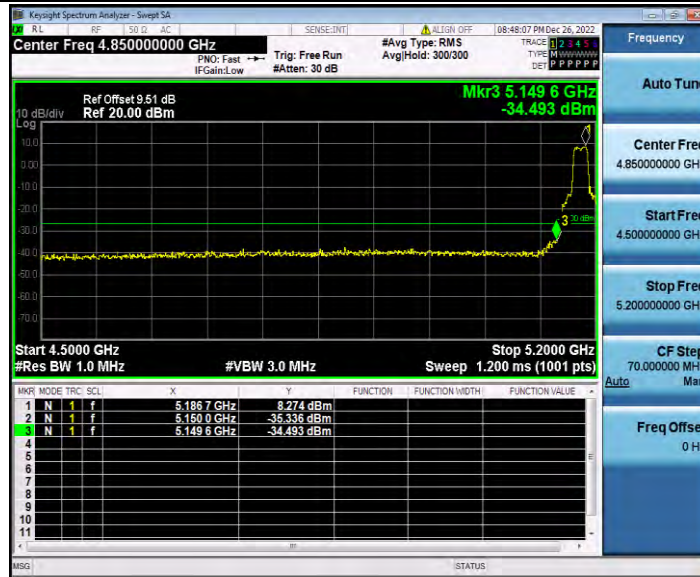
11N40SISO_Ant1_Low_5190



11N40SISO_Ant1_High_5230



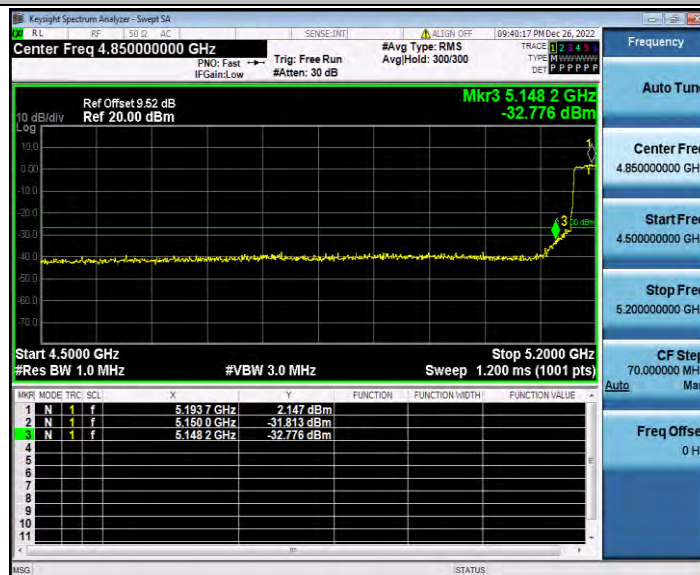
11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240



11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



Appendix A.7: Conducted Spurious Emission

Test Result

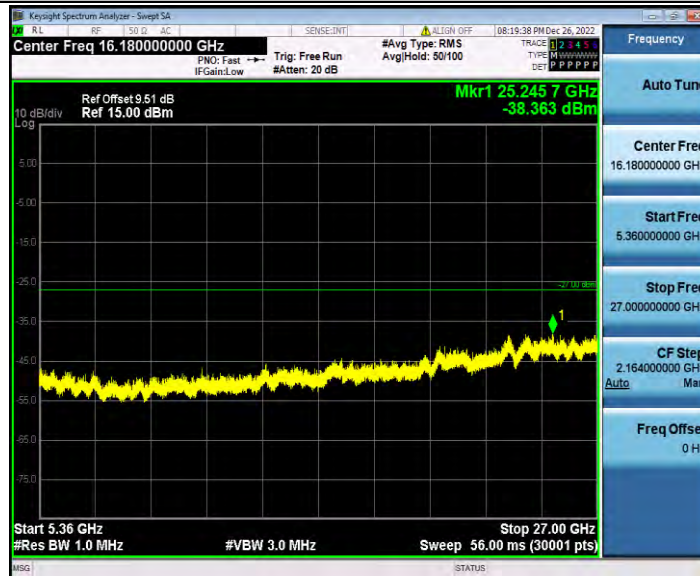
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	5139.15	-44.04	≤-27	PASS
			5360~40000	25245.72	-38.36	≤-27	PASS
		5200	30~5140	2987.33	-47.7	≤-27	PASS
			5360~40000	25485.2	-37.7	≤-27	PASS
		5240	30~5140	3468.52	-46.88	≤-27	PASS
			5360~40000	26863.67	-38.46	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5135.74	-39.94	≤-27	PASS
			5360~40000	24264.7	-38.41	≤-27	PASS
		5200	30~5140	3153.06	-47.23	≤-27	PASS
			5360~40000	23510.91	-38.5	≤-27	PASS
		5240	30~5140	2714.96	-47.2	≤-27	PASS
			5360~40000	25994.46	-38.34	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5139.15	-29.85	≤-27	PASS
			5360~40000	25136.8	-37.66	≤-27	PASS
		5230	30~5140	5133.87	-41.18	≤-27	PASS
			5360~40000	26790.09	-38.5	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5138.64	-40.87	≤-27	PASS
			5360~40000	26495.79	-37.68	≤-27	PASS
		5200	30~5140	5139.66	-43.85	≤-27	PASS
			5360~40000	26510.21	-37.63	≤-27	PASS
		5240	30~5140	2546.68	-47.15	≤-27	PASS
			5360~40000	24212.05	-37.92	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5140	-35.85	≤-27	PASS
			5360~40000	25625.86	-37.8	≤-27	PASS
		5230	30~5140	3154.25	-47.15	≤-27	PASS
			5360~40000	25463.56	-37.73	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5137.62	-34.35	≤-27	PASS
			5360~40000	24870.62	-37.95	≤-27	PASS

Test Graphs

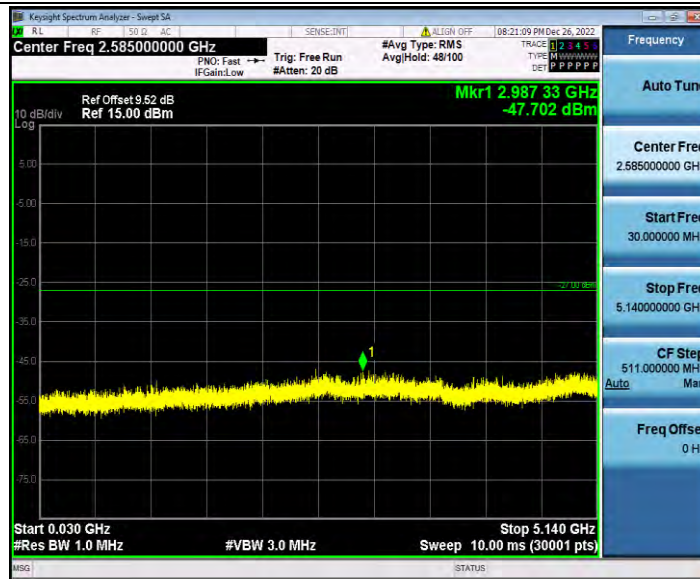
11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~40000



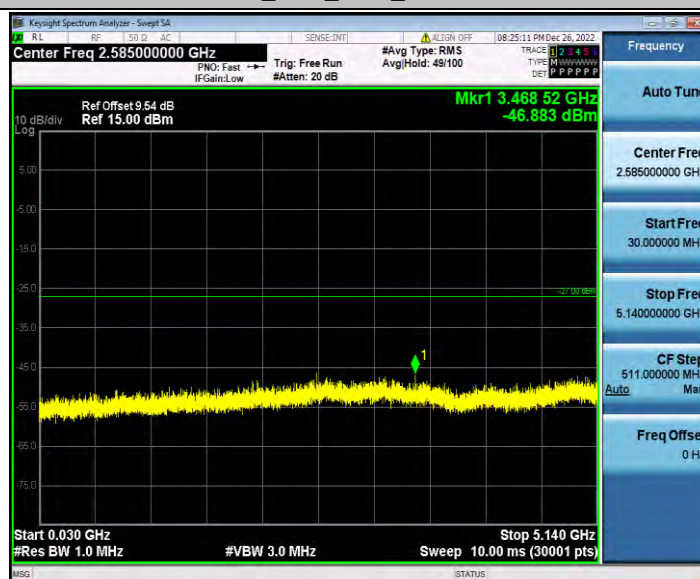
11A_Ant1_5200_30~5140



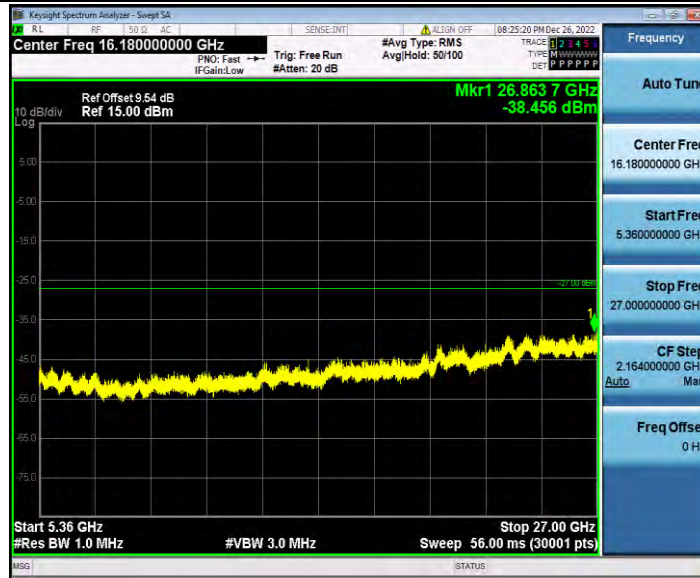
11A_Ant1_5200_5360~40000



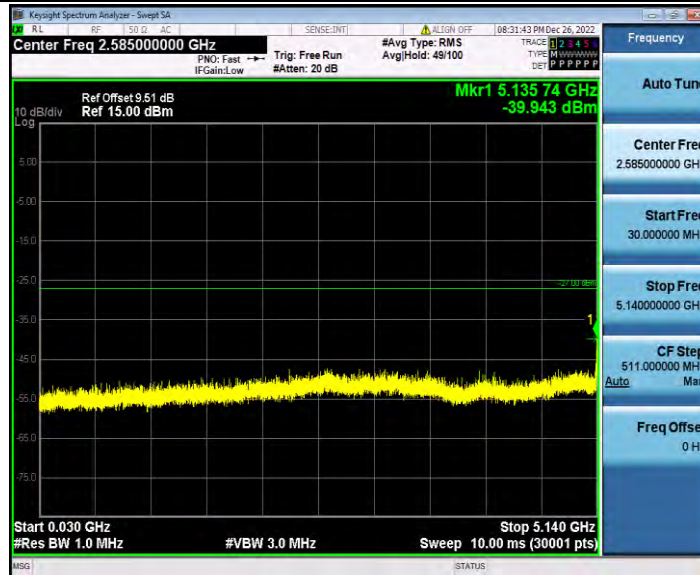
11A_Ant1_5240_30~5140



11A_Ant1_5240_5360~40000



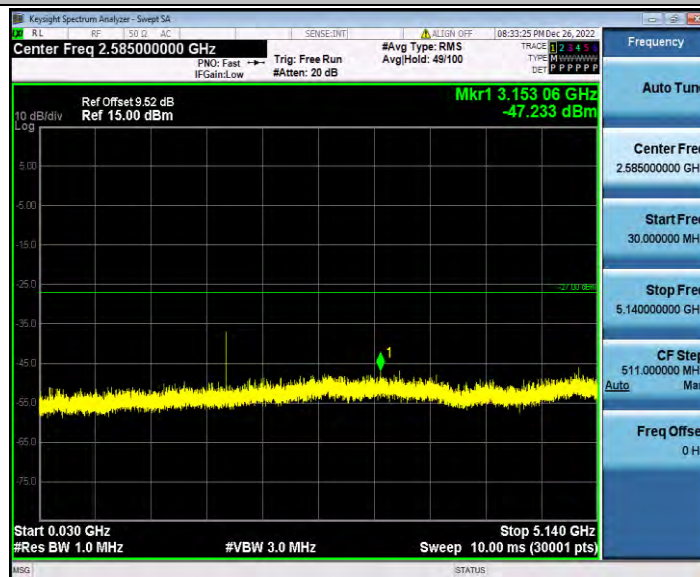
11N20SISO_Ant1_5180_30~5140



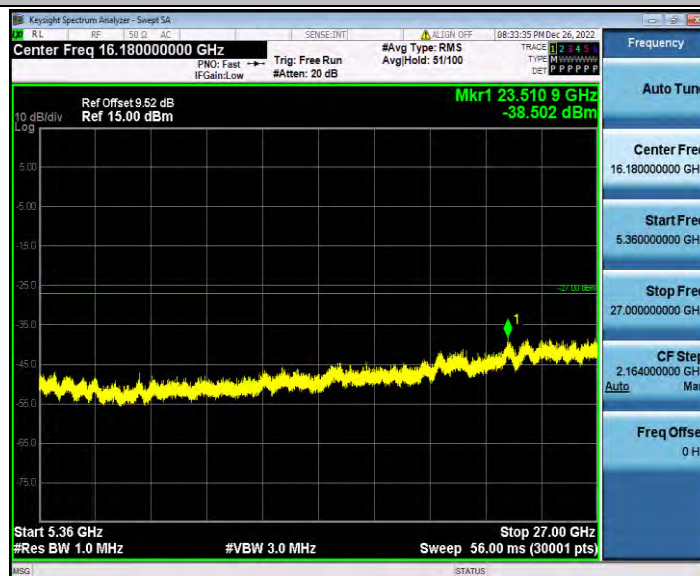
11N20SISO_Ant1_5180_5360~40000



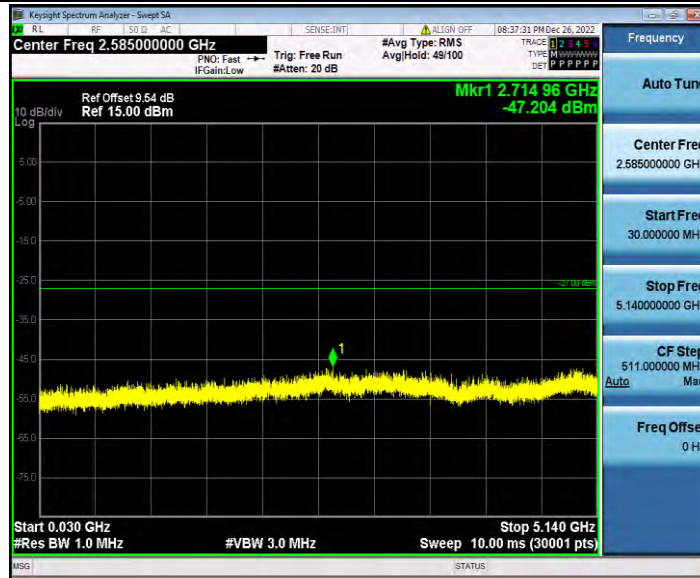
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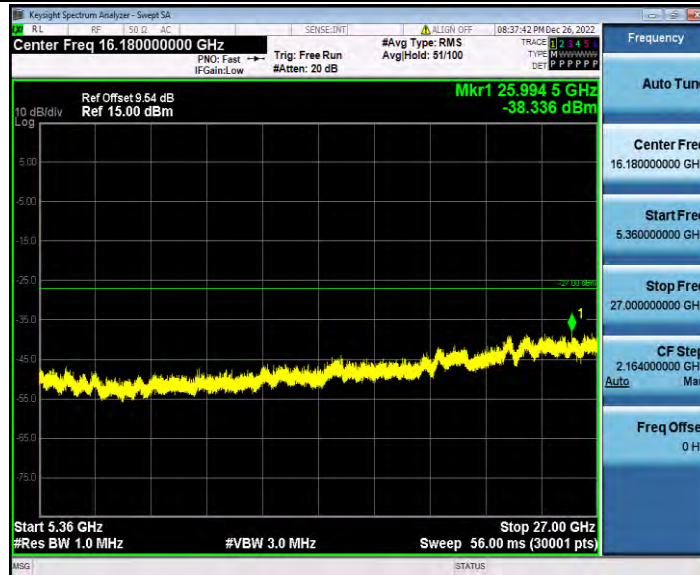
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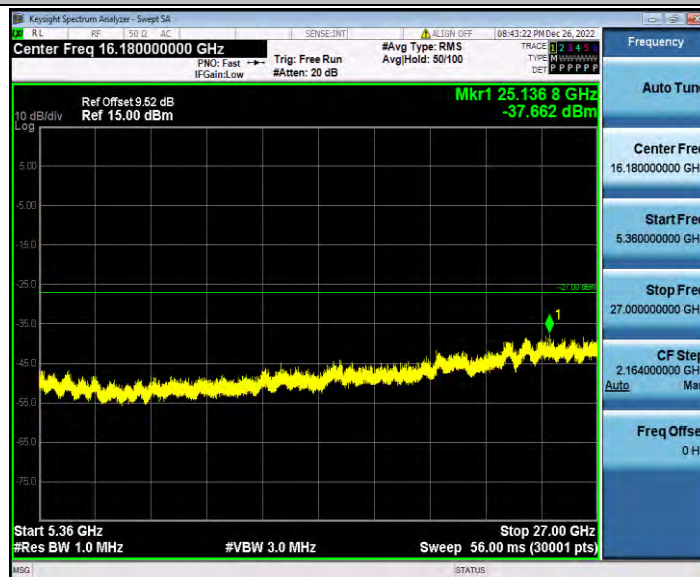
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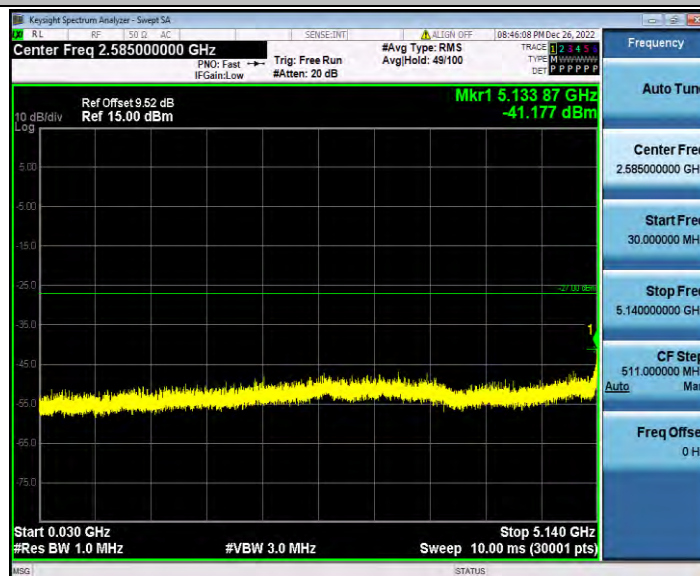
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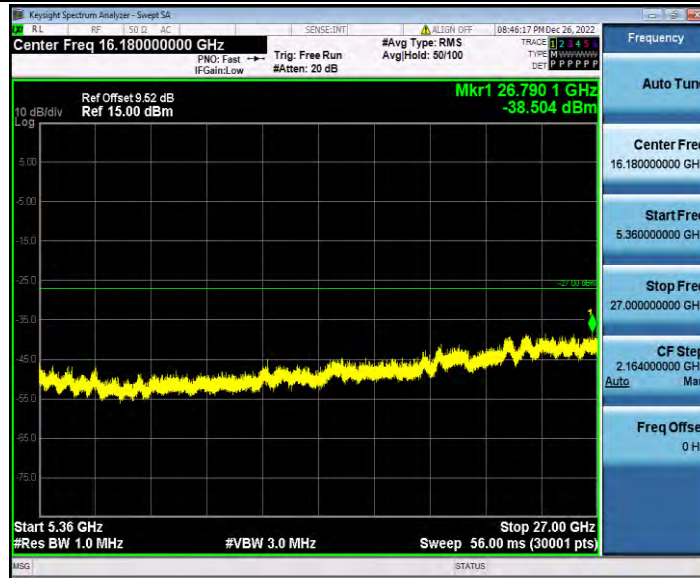
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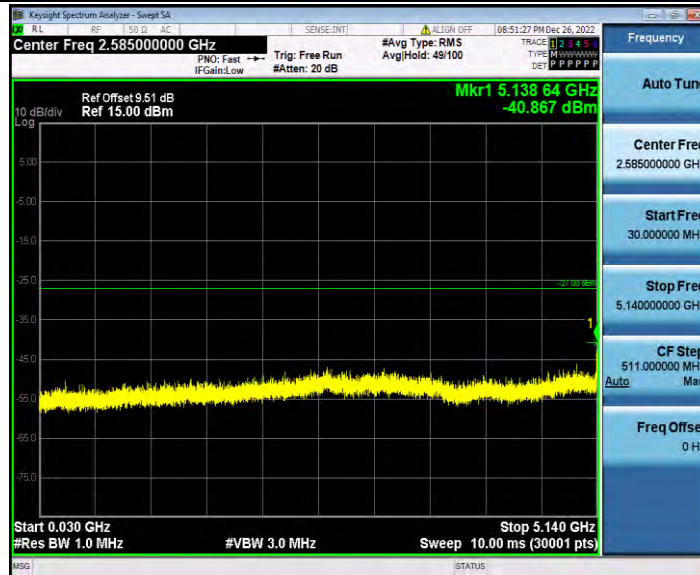
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11N40SISO_Ant1_5230_5360~40000



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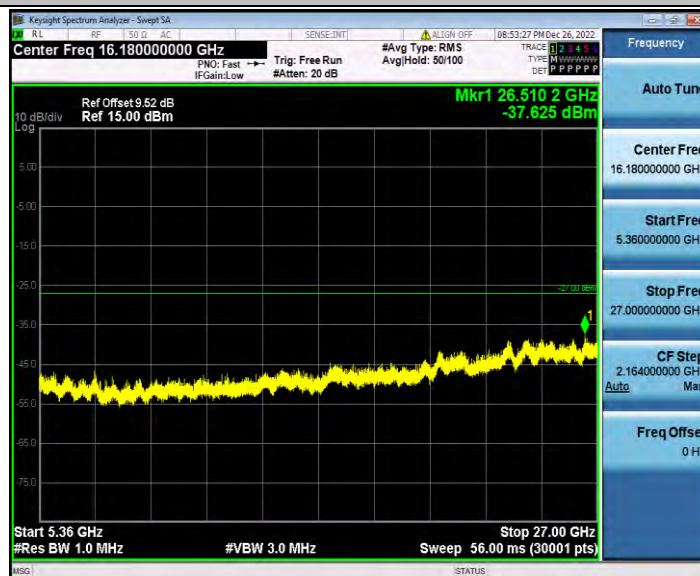
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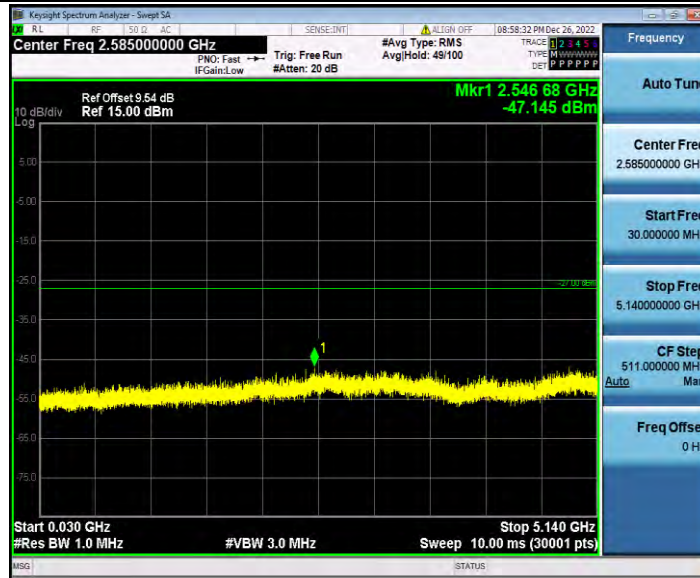
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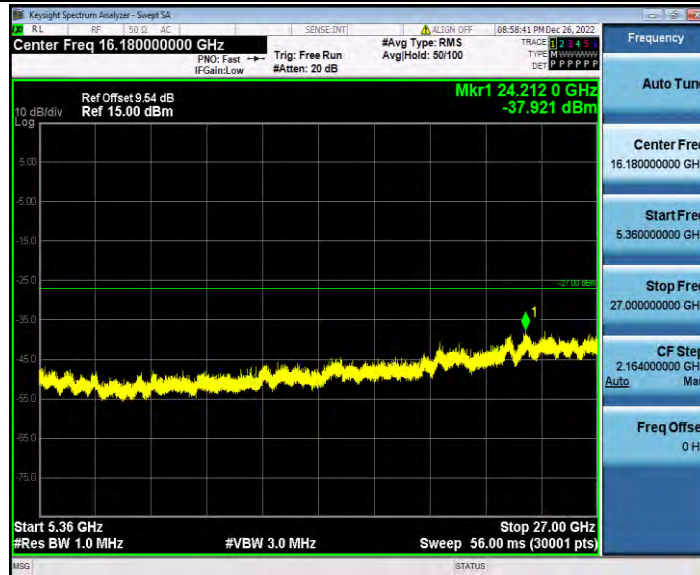
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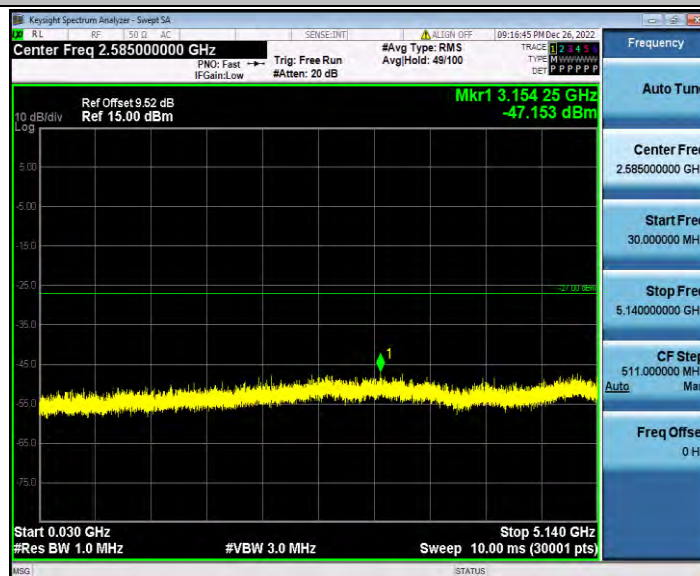
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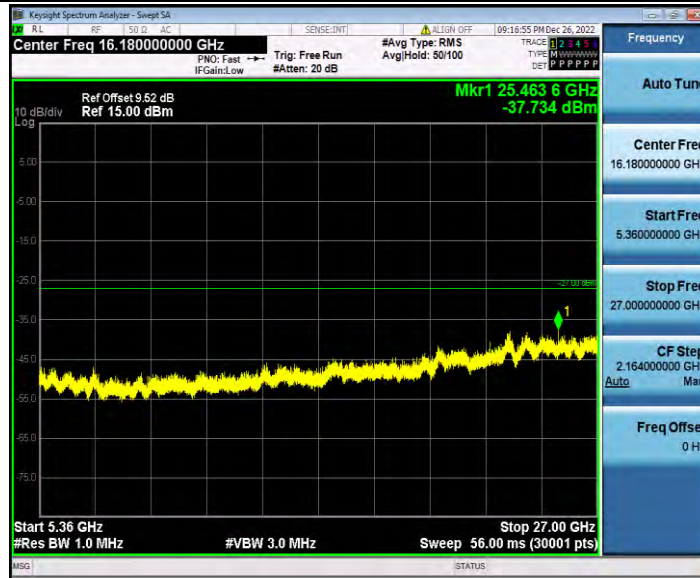
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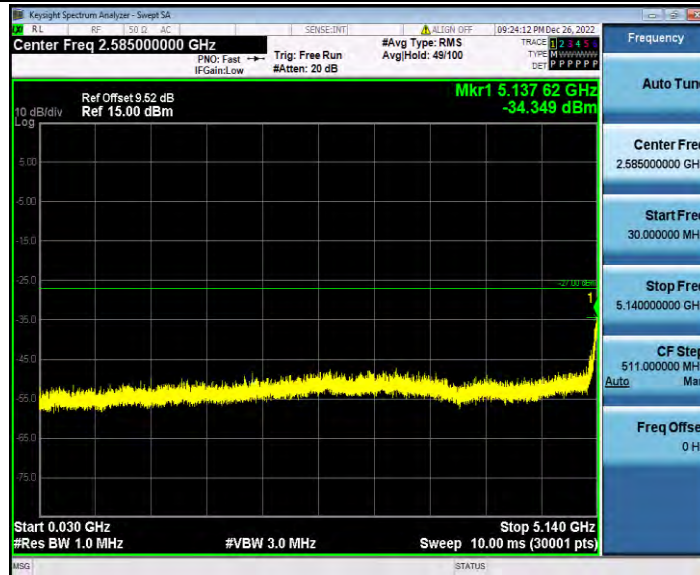
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11AC40SISO_Ant1_5230_5360~40000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000

